

CLAIMS:

1. Method of recording at least one information unit on a record carrier having a recording track which comprises preformed track position information indicative of predefined locations for recording information units and a first one of said locations comprising an earlier recorded information unit, said method comprising:

5 (a) generating a modulated signal representing the at least one information unit, and

(b) scanning the recording track and recording the modulated signal at a second one of said locations,

characterized in that the method comprises

10 (c) (in the event that the second one of said locations is after and adjacent to the first one of said locations, reading linking information from an end boundary area of said first one of said locations and using the linking information for logically generating the modulated signal.)

15 2. Method as claimed in claim 1, wherein the method comprises

(d) (in the event that the second one of said locations is before and adjacent to the first one of said locations, reading linking information from a begin boundary area of said first one of said locations and using the linking information for logically generating the modulated signal.

20 3. Method as claimed in claim 1, wherein the linking information comprises a last part of the earlier recorded information unit for presetting an error encoder.

25 4. Method as claimed in claim 2, wherein the linking information comprises a first part of the earlier recorded information unit for, after writing the modulated signal, generating an additional modulated signal representing said first part and error correction words based on the at least one information unit and said first part, and recording the additional modulated signal in the begin boundary area.

05440036-032701

Japan

A1.
COM 22.1

5. Method as claimed in claim 1 or 2, wherein the linking information comprises additional recording information, in particular CD subcode.

6. Method as claimed in claim 1, wherein linking information is additionally
5 recorded in the end boundary area after the data bytes of the at least one information unit.

7. Method as claimed in claim 6, wherein the earlier recorded information unit is terminated by an end boundary area comprising said additionally recorded linking information, and the recording of the modulated signal starts by overwriting the end
10 boundary area, or wherein said record carrier is of a write once type and the linking information includes dummy data bytes of a predefined value for allowing presetting an error encoder when recording a consecutive information unit.

8. Device for recording at least one information unit on a record carrier (11)
15 having a recording track (9) which comprises preformed track position information indicative of predefined locations for recording information units and a first one of said locations comprising an earlier recorded information unit, said device comprising:
modulator means (29) for generating a modulated signal representing the at least one information unit, and
20 recording means (22) for scanning the recording track and recording the modulated signal at a second one of said locations,
characterized in that the device comprises retrieving means (20, 30) for reading linking information from an end boundary area of the location preceding the second one of said locations, and in that the modulator means comprise linking means (31) for using the linking
25 information for logically generating the modulated signal in the event that the second one of said locations is after and adjacent to the first one of said locations.

9. Device as claimed in claim 8, wherein the retrieving (20, 30) means are arranged for reading linking information from a begin boundary area of the location
30 following the second one of said locations and the linking means (31) are arranged for using the linking information for logically generating the modulated signal in the event that the second one of said locations is before and adjacent to the first one of said locations.

